

REMARKS

Claims 1-9 remain pending in this application. Claims 1-9 are objected to. Claims 1 and 7 are amended herein to address matters of form unrelated to substantive patentability issues. For example, terms which were believed to be a source of confusion, and upon which the objections of record are thought to be based, have been replaced with alternative nomenclature considered to be more appropriate in light of the supporting disclosure. Furthermore, formal matters are attended to that were not addressed by the Examiner and accordingly are considered unrelated to substantive patentability issues, such as selecting alternative terminology directed to chambers being formed between said first and second rotors for conveying fluids or gases, rather than referring to formation of a fluid passage, the replacement term being considered more appropriate in accordance with the supporting disclosure.

Applicant herein traverses and respectfully requests reconsideration of the objections cited in the above-referenced Office Action.

The Examiner objects to the drawings under 37 C.F.R. § 1.83(a) for allegedly failing to show every feature of the invention specified in the claims. It is stated that the drawings do not show the “first opening (16), second opening (16)” according to claims 1 and 7. Applicant does not fully understand the objection, since the claims being objected to do not include reference numerals, as written. However, to the extent that these objections relate to the claimed first and second openings, applicant

respectfully submits that these elements are clearly shown in the drawings in their present form, and that no drawing amendment is required.

Applicant believes that the objection is founded on confusing nomenclature that describes the two claimed elements by the common term “opening,” which might potentially lead one to believe that the elements are somehow related in primary function, and that they are both properly identified by the reference designator 16. Consequently, claims 1 and 7 are amended to rename the “first opening” as simply “an opening” through which a portion (e.g., shank) of the second rotor passes, and to similarly rename the “second opening” as “at least one pressure passage,” the latter element (or possibly elements, as desired) which is shown in Fig. 1, correctly by the identifier 16 (the example of Fig. 1 depicting, in fact, two pressure passages 16, located between 14 and 10). The element formerly referred to as the “first opening” and now referred to as an “opening,” is the hole in the recess of the inner housing 1 through which, for example, the shank of said second rotor 3 passes axially to the right in Fig. 1, this being clearly depicted in the figure.

Based upon the above, withdrawal of the drawing objection is respectfully requested.

The specification is objected to for failing to provide proper antecedent basis for the claimed subject matter. As noted above, claims 1 and 7 are amended to clarify the intended structure being claimed, and as properly supported by the disclosure. In addition, the specification is amended to bring same into conformance

with the revised claim nomenclature of "pressure passage 16" (formerly "opening 16), and to indicate that two of such pressure passages 16 are being depicted in the example of Fig. 1. No new matter is added.

As such, the specification is believed to provide full antecedent basis for all claimed subject matter. Withdrawal of the objection to the specification is therefore earnestly solicited.

Claims 1-9 are objected to for allegedly lacking support in the specification and drawings. The above noted amendments brings the subject matter of the claims into full conformance with the written disclosure and drawings. Withdrawal of the objection and allowance of the claimed are respectfully requested

For the convenience of the Examiner, APPENDIX I is provided herewith having a complete set of pending claims with all amendments effected therein.

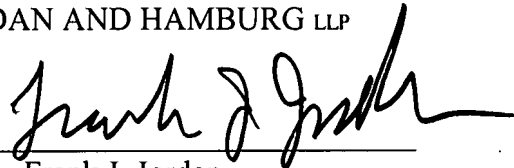
Applicant respectfully requests a one month extension of time for responding to the Office Action. The fee of \$120 for the extension is provided for in the charge authorization presented in the PTO Form 2038, Credit Card Payment form, provided herewith.

If there is any discrepancy between the fee(s) due and the fee payment authorized in the Credit Card Payment Form PTO-2038 or the Form PTO-2038 is missing or fee payment via the Form PTO-2038 cannot be processed, the USPTO is hereby authorized to charge any fee(s) or fee(s) deficiency or credit any excess payment to Deposit Account No. 10-1250.

In light of the foregoing, the application is now believed to be in proper form for allowance of all claims and notice to that effect is earnestly solicited.

Respectfully submitted,

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APPENDIX I

ALL PENDING CLAIMS WITH AMENDMENTS EFFECTED THEREIN

1. (Currently amended) A rotary piston machine including:

first and second rotors being mutually disposed at an axial angle, said first rotor engaging said second rotor such that chambers are formed between said first and second rotors for conveying fluids or gases, said second rotor having a shank, said shank engaging a motor shaft;

a housing including an inner surface;

an inner housing including an outer surface spaced from said inner surface of said housing thereby forming a space therebetween, said inner housing further including a cylindrical borehole in which said rotors are accommodated, said borehole including a spherical recess having an opening through which said shank of said second rotor passes for engaging said motor shaft, said inner housing being shiftable, relative to the rotors, in axial and radial directions;

first structural and biasing means for urging said inner housing against rotation within said housing;

second structural means for preventing movement of the inner housing in the axial direction away from the rotors; and

said inner housing including at least one pressure passage for transferring operating pressure in said space between the outer surface of the inner housing and

the inner surface of the housing into the inner housing for producing contacting pressure between the inner housing and the rotors for minimizing gap flows.

2. (Previously Presented) The rotary piston machine of claim 1, further comprising:

second biasing means for moving said rotors axially towards said motor; and

third biasing means for limiting movement of said rotors axially towards said motor.

3. (Previously Presented) The machine of claim 1 wherein said first structural and biasing means comprises:

a recesses disposed between said inner surface of the housing and said outer surface of the inner housing; and

springs disposed on said outer surface of said inner housing, said springs engaging said recess.

4. (Previously Presented) The machine of claim 1 wherein the second structural means comprises a cone.

5. (Previously Presented) The machine of claim 2 wherein the second biasing means comprises adjusting rings.

6. (Previously Presented) The machine of claim 2 wherein the third biasing means comprises a split washer.

7. (Currently amended) A rotary piston machine including:

first and second rotors mutually disposed at an axial angle, said first rotor engaging said second rotor such that chambers are formed between said first and second rotors for conveying fluids or gases;

an outer housing;

an inner housing including a cylindrical borehole having a recess, said rotors being disposed in said borehole, said recess having an opening through which said second rotor passes; and

at least one pressure passage in said inner housing for transferring operating pressure exterior to said inner housing into the inner housing.

8. (Previously Presented) The machine of claim 7 wherein said inner housing is shiftable, relative to the rotors, in axial and radial directions.

9. (Previously Presented) The machine of claim 7 wherein said borehole recess is spherical.